Performance Data Sheet

AJA2416AXA

General Information

Model	AJA2416AXA	**Refrigerant**	R-12
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-40	Btu/h	1020	743	547	403	286	171	32.2
	Watts	453	381	337	313	300	291	277
	Amps							
	Lb/h	23.2	13.8	7.76	4.28	2.37	1.11	
-35	Btu/h	1230	964	770	628	513	399	262
	Watts	473	406	365	345	335	329	318
	Amps							
	Lb/h	27.9	18.5	12.5	9.05	7.14	5.86	4.28
-30	Btu/h	1450	1190	995	855	742	630	494
	Watts	491	428	392	375	369	366	358
	Amps							
	Lb/h	32.3	22.9	16.9	13.4	11.5	10.2	8.60
-25	Btu/h	1680	1410	1220	1090	974	863	729
	Watts	508	450	418	405	402	403	398
	Amps							
	Lb/h	36.3	27.0	21.0	17.6	15.6	14.3	12.6
-20	Btu/h	1910	1640	1460	1320	1210	1100	969
	Watts	526	472	444	435	436	440	438
	Amps							
	Lb/h	40.3	30.9	25.0	21.5	19.5	18.2	16.5
-15	Btu/h	2140	1880	1700	1560	1460	1350	1220
	Watts	544	495	471	466	471	478	480
	Amps							
	Lb/h	44.1	34.8	28.8	25.4	23.4	22.0	20.3
-10	Btu/h	2390	2130	1950	1820	1710	1600	1470
	Watts	564	519	501	500	508	519	524
	Amps							
	Lb/h	48.0	38.7	32.7	29.2	27.3	25.8	24.0
-5	Btu/h	2650	2390	2210	2080	1970	1870	1740
	Watts	587	547	533	536	549	563	571
	Amps							
	Lb/h	52.0	42.7	36.8	33.3	31.3	29.8	27.9

0	Btu/h	2920	2660	2480	2350	2250	2150	2020
	Watts	614	579	569	576	593	611	622
	Amps							
	Lb/h	56.3	47.0	41.0	37.5	35.5	34.0	32.1
5	Btu/h	3200	2950	2770	2640	2540	2440	2310
	Watts	645	615	609	621	642	664	678
	Amps							
	Lb/h	60.9	51.6	45.7	42.1	40.0	38.5	36.5
10	Btu/h	3500	3250	3080	2950	2850	2750	2620
	Watts	681	656	655	672	696	722	740
	Amps							
	Lb/h	66.0	56.7	50.7	47.2	45.0	43.4	41.4

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.066328E+04	2.765163E+03	0.000000E+00	3.640758E+02
C2	5.015019E+01	-4.210830E+00	0.000000E+00	7.832741E-01
C3	-1.903962E+02	-5.726905E+01	0.000000E+00	-7.568130E+00
C4	3.046488E-01	7.777607E-02	0.000000E+00	7.587792E-03
C5	8.365757E-02	1.477509E-01	0.000000E+00	2.316880E-03
C6	1.503444E+00	4.863375E-01	0.000000E+00	5.902713E-02
C7	2.500000E-03	1.187500E-03	0.000000E+00	1.375001E-04
C8	-1.084016E-04	1.574765E-04	0.000000E+00	-7.401817E-06
C9	-2.378175E-04	-2.939204E-04	0.000000E+00	-1.289191E-05
C10	-4.175729E-03	-1.332972E-03	0.000000E+00	-1.564873E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature